

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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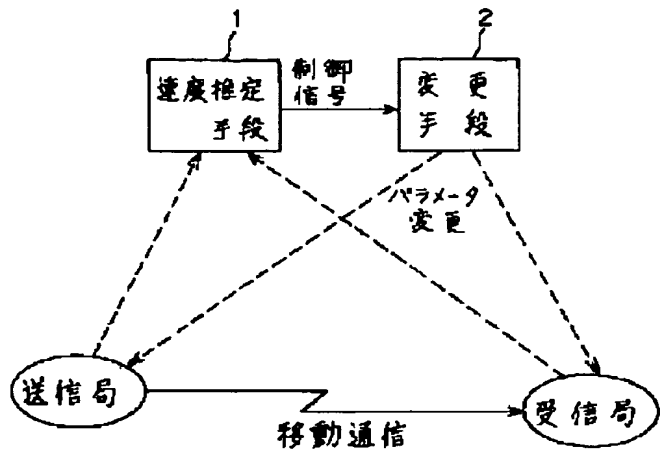
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TITLE : COMMUNICATION CONTROLLER  
BASED ON MOVING SPEED AND  
COMMUNICATION CONTROL  
METHOD

cited in the European Search  
Report of EP 01 10 7452.3  
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**ABSTRACT :** PROBLEM TO BE SOLVED: To realize a communication control, corresponding to a moving speed and to improve a reception characteristic and channel capacity in a reception station by estimating one moving speed between a transmission station and a reception station and controlling parameters, based on a control signal corresponding to an estimated moving speed.

**SOLUTION:** A speed estimation means 1 estimates one moving speed of a transmission station and a reception station and outputs a control signals corresponding to the speed. A change means 2 changes the value of parameters, based on the control signal. The transmission station and the reception station correspond to a base station or a mobile station in mobile communication. The speed estimation means 1, for example, estimates the moving speed of the reception station by the use of a transmission power control command sent from the reception station to the transmission station and estimates the moving speed of the transmission station by the use of a desired wave power generated in the reception station. In actuality, the moving speed of an opposite side station can be estimated by using the transmission power control command and desired wave power.

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